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AMENDMENTS TO THE CLAIMS

- 1. (Original) A drum type washing machine comprising:
- a drum rotatably installed in a cabinet;
- a driving motor installed at one side of the cabinet for rotating the drum;
- a vapor generator installed at one side of the cabinet for generating vapor;
- a diverging pipe installed at an upper side of the drum for supplying vapor generated from the vapor generator to inside of the drum;
 - a first connection hose for connecting the vapor generator and the diverging pipe;
- a drain pipe installed at a lower side of the drum for draining wash water inside of the drum;
 - a second connection hose for connecting the drain pipe and the diverging pipe; and
- a circulation pump installed between the second connection hose and the drain pipe for circulating wash water drained from the drum.
- 2. (Original) The drum type washing machine of claim 1, wherein an injection nozzle is formed at an end portion of the diverging pipe.
 - 3. (Cancelled)

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4. (Previously Presented) A vapor generator of a drum washing machine comprising:

a case provided with a space portion for storing water therein, a water supplying portion

for supplying water at one side thereof, and a vapor exhaustion portion for exhausting vapor at

another side thereof;

a water level detecting means installed at the case for detecting a level of water stored in

the case; and

a heater installed in the case for heating water stored in the case,

wherein the case comprises:

a lower case where the heater is installed;

an upper case coupled to the lower case;

a watertight member interposed between the lower case and the upper case; and

a case coupling means for coupling the lower case and the upper case.

5. (Original) The vapor generator of claim 4, wherein the case coupling means

comprises:

a lower flange portion formed at an outer circumferential surface of the lower case and

having a plurality of bolt holes;

an upper flange portion formed at an outer circumferential surface of the upper case and

having a plurality of bolt holes; and

a bolt coupled to the bolt hole.

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6. (Previously Presented) The vapor generator of claim 4, wherein the heater

comprises:

a heat transmitting pipe arranged at a bottom surface of the case; and

a connector installed at both ends of the heat transmitting pipe to be connected to an

external power source.

7. (Currently Amended) A vapor generator of a drum washing machine comprising:

a case provided with a space portion for storing water therein, a water supplying portion

for supplying water at one side thereof, and a vapor exhaustion portion for exhausting vapor at

another side thereof;

a diaphragm for preventing water inside of the case from being introduced into the vapor

exhaustion portion being formed at an inner surface of the case;

a water level detecting means installed at the case for detecting a level of water stored in

the case; and

a heater installed in the case for heating water stored in the case,

wherein a vapor storing space for storing vapor generated by the heater is formed at a

position corresponding to the vapor exhaustion portion at an inner surface of the case.

8. (Previously Presented) The vapor generator of claim 7, wherein the vapor

exhaustion portion is a pipe.

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9. (Cancelled).

10. (Currently Amended) The vapor generator of elaim 9 claim 7, wherein a plurality

of slots are formed at the diaphragm.

11. (Original) The vapor generator of claim 10, wherein the slots are formed in a

longitudinal direction.

12. (Currently Amended) A vapor generator of a drum washing machine comprising:

a case provided with a space portion for storing water therein, a water supplying portion

for supplying water at one side thereof, and a vapor exhaustion portion for exhausting vapor at

another side thereof;

a water level detecting means installed at the case for detecting a level of water stored in

the case, the water level detecting means being a water level detecting senor, the water level

detecting sensor including:

a body coupled to an upper portion of the case; and

a plurality of detecting rods longitudinally installed at the body; and

a heater installed in the case for heating water stored in the case; and

a diaphragm installed at the body for covering the plurality of detecting rodswherein the

water level detecting means is a water level detecting sensor.

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Claims 13 and 14. (Cancelled).

15. (Currently Amended) The vapor generator of claim 14claim 12, wherein the

diaphragm is provided with slots in a longitudinal direction.

16. (Currently Amended) The vapor generator of elaim 13 claim 12, wherein the

detecting rods comprise:

a first detecting rod which has a longest length;

a second detecting rod which has a middle length; and

a third detecting rod which has a shortest length.

17. (Original) The vapor generator of claim 16, wherein a water supply time point

inside of the case and an 'on' time point of the heater are detected by the first and third detecting

rods, and an 'off' time point of the heater is detected by the first and second detecting rods.

18. (Previously Presented) A vapor generator of a drum washing machine comprising:

a case provided with a space portion for storing water therein, a water supplying portion

for supplying water at one side thereof, and a vapor exhaustion portion for exhausting vapor at

another side thereof;

a diaphragm formed at an inner upper surface of the case;

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a water level detecting means installed at the case for detecting a level of water stored in

the case; and

a heater installed in the case for heating water stored in the case,

wherein a mounting bracket is formed at one side of the case.

19. (Cancelled).

20. (Currently Amended) The vapor generator of elaim 19claim 18, wherein the

diaphragm is provided with slots in a longitudinal direction.

21. (Previously Presented) The vapor generator of claim 7, wherein the water level

detecting means is a water level detecting sensor comprising:

a body coupled to an upper portion of the case; and

a plurality of detecting rods longitudinally installed at the body.

22. (Previously Presented) The vapor generator of claim 21, wherein said plurality of

detecting rods are arranged at the body and a diaphragm is installed at the body for covering the

detecting rods.

23. (Previously Presented) The vapor generator of claim 21, wherein the detecting

rods comprise:

a first detecting rod which has a longest length;

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a second detecting rod which has a middle length; and

a third detecting rod which has a shortest length.